

## BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Estimate Cost Rs. 5000000.00

**Name of Work:** Detailed Estimate for the Work of Drilling of Borewells, Providing Pump and Motor and laying of pipeline at Hegadenagara and thanisandra, Surrounding area in Ward No. 06, Byatarayanapura Sub Division.

| SI No                                            | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Unit           | No | L     | B | D | Qty    | Rate    | Amount   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|-------|---|---|--------|---------|----------|
| <b>A), Drilling and Providing Pump and Motor</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |    |       |   |   |        |         |          |
| 1                                                | Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, Each BW |                |    |       |   |   |        |         |          |
|                                                  | Fathima layout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | 1  |       |   |   |        |         |          |
|                                                  | Hegadenagara                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 1  |       |   |   |        |         |          |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 2  |       |   |   | 2      | 1938.46 | 3877.00  |
|                                                  | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1882.00        |    |       |   |   |        |         |          |
|                                                  | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56.46          |    |       |   |   |        |         |          |
|                                                  | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>1938.46</b> |    |       |   |   |        |         |          |
| 2                                                | Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)                                                                                                                                                                                                                                                                                                                                                            | Rmtr           |    |       |   |   |        |         |          |
|                                                  | 0 to 50 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 2  | 50.00 |   |   | 100.00 | 315.18  | 31518.00 |
|                                                  | 50 to 100 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | 2  | 50.00 |   |   | 100.00 | 412.00  | 41200.00 |
|                                                  | 100 to 150 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 2  | 50.00 |   |   | 100.00 | 458.35  | 45835.00 |
|                                                  | 150 to 200 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 2  | 50.00 |   |   | 100.00 | 484.10  | 48410.00 |
|                                                  | 200 to 250 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 2  | 50.00 |   |   | 100.00 | 560.32  | 56032.00 |
|                                                  | 250 to 300 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 2  | 50.00 |   |   | 100.00 | 583.00  | 58300.00 |
|                                                  | 300 to 350 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 3  | 50.00 |   |   | 150.00 | 622.00  | 93300.00 |
|                                                  | 350 to 388 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 3  | 38.00 |   |   | 114.00 | 658.00  | 75012.00 |

| Sl No | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit            | No | L     | B | D | Qty    | Rate     | Amount    |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|-------|---|---|--------|----------|-----------|
|       | Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continuous welded middle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/strips in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)                                                                                                                                                                                                                                                                                                                                                                         | Rmtr            |    |       |   |   |        |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 2  | 50.00 |   |   | 100.00 | 1364.75  | 136475.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1325.00         |    |       |   |   |        |          |           |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 39.75           |    |       |   |   |        |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>1364.75</b>  |    |       |   |   |        |          |           |
| 4     | Providing and fixing 250mm dia PVC pipe and as per specification and directions. ( BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rmtr            |    |       |   |   |        |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 2  | 13.00 |   |   | 26.00  | 1133.00  | 29458.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1100.00         |    |       |   |   |        |          |           |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 33.00           |    |       |   |   |        |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>1133.00</b>  |    |       |   |   |        |          |           |
| 5     | 175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Each            |    |       |   |   |        |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 2  |       |   |   | 2      | 103.00   | 206.00    |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100.00          |    |       |   |   |        |          |           |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.00            |    |       |   |   |        |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>103.00</b>   |    |       |   |   |        |          |           |
| 6     | M.S. Casing pipe collars 'C' Class (P.NO-III, I.NO-86, PRED 12-13 SR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Each            | 2  | 8.00  |   |   | 16     | 154.50   | 2472.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 150.00          |    |       |   |   |        |          |           |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.50            |    |       |   |   |        |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>154.50</b>   |    |       |   |   |        |          |           |
| 7     | Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 20.000 HP 40 stage (P.NO-XXXXIII, I.NO-33, PWD SR 13-14) | No              |    |       |   |   |        |          |           |
|       | 20 HP 40 Stage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | 2  |       |   |   | 2      | 75541.17 | 151082.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 71265.25        |    |       |   |   |        |          |           |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4275.92         |    |       |   |   |        |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>75541.17</b> |    |       |   |   |        |          |           |

| SI No | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unit          | No | L      | B | D | Qty     | Rate     | Amount    |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|--------|---|---|---------|----------|-----------|
| 8     | Providing, laying &Galvanized Mild Steel Tube confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc., complete 'A' grade(excluding cost of fittings) (PRED Bangalore Circle SE Approved Rates dated. 26.07.2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |    |        |   |   |         |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 2  | 360.00 |   |   | 720.00  | 530.00   | 381600.00 |
| 9     | Providing & fixing heavy duty collar (P.NO-III, I.NO-86, PRED 12-13 SR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | 2  | 46.00  |   |   | 92.00   | 159.00   | 14628.00  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |    |        |   |   |         |          |           |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.00        |    |        |   |   |         |          |           |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.00          |    |        |   |   |         |          |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>159.00</b> |    |        |   |   |         |          |           |
| 10    | Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm diaPWD Electrical SR 2010-11 P-49/I. No 29 C-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mtr           |    |        |   |   |         |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 2  | 500.00 |   |   | 1000.00 | 181.00   | 181000.00 |
| 11    | Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) | No.           |    |        |   |   |         |          |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 2  |        |   |   | 2.00    | 14800.00 | 29600.00  |

| SI No | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Unit           | No | L       | B     | D | Qty      | Rate    | Amount   |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|---------|-------|---|----------|---------|----------|
| 12    | Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14) | Sqm            |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 1100.00 | 20.00 |   | 44000.00 | 0.34    | 14956.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.33           |    |         |       |   |          |         |          |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.01           |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>0.34</b>    |    |         |       |   |          |         |          |
| 13    | Providing & Fixing of clamps set and borewell cap to the pump (MR)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  |         |       |   | 2.00     | 690.00  | 1380.00  |
| 14    | Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark ( 50mm Gate wheel Valve. (PWD SR 13-14, P.NO.XXIV, Sl.no, 673)                                                                                                                                                                                                                                                                                                                        | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 3.00    |       |   | 6.00     | 1696.00 | 10176.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1600           |    |         |       |   |          |         |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 96.00          |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>1696.00</b> |    |         |       |   |          |         |          |
| 15    | Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributor pipeline. 50mm dia (PWD SR 13-14, P.NO.XXIV,                                                                                                                                                                                                                                                                                                            | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 3.00    |       |   | 6.00     | 1213.70 | 7282.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1145           |    |         |       |   |          |         |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 68.70          |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>1213.70</b> |    |         |       |   |          |         |          |
| 16    | Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                           | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 3.00    |       |   | 6.00     | 232.14  | 1393.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 219            |    |         |       |   |          |         |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.14          |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>232.14</b>  |    |         |       |   |          |         |          |
| 17    | Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                         | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 3.00    |       |   | 6.00     | 110.56  | 663.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 104.3          |    |         |       |   |          |         |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.26           |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>110.56</b>  |    |         |       |   |          |         |          |
| 18    | Providing and fixing of 50mm GI union to the motor ( PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                     | No's           |    |         |       |   |          |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 2  | 3.00    |       |   | 6.00     | 237.12  | 1423.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 223.7          |    |         |       |   |          |         |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.42          |    |         |       |   |          |         |          |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>237.12</b>  |    |         |       |   |          |         |          |

| Sl No | Description of item                                                                                                                                                                                                                                                                                                                        | Unit       | No | L     | B | D | Qty    | Rate   | Amount  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|-------|---|---|--------|--------|---------|
| 17    | Labour Charges for end connection ( MR)                                                                                                                                                                                                                                                                                                    | No's       |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  |       |   |   | 2.00   | 400.00 | 800.00  |
| 20    | Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14) | Per length |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 50.00 |   |   | 100.00 | 90.64  | 9064.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                 | 88         |    |       |   |   |        |        |         |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                          | 2.64       |    |       |   |   |        |        |         |
|       | Total                                                                                                                                                                                                                                                                                                                                      | 90.64      |    |       |   |   |        |        |         |
| 21    | Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)                                                                                                                                                           | No's       |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 1.00  |   |   | 2.00   | 475.00 | 950.00  |
| 22    | Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)                                                                                                              | No's       |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 1.00  |   |   | 2.00   | 906.40 | 1813.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                 | 880        |    |       |   |   |        |        |         |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                          | 26.40      |    |       |   |   |        |        |         |
|       | Total                                                                                                                                                                                                                                                                                                                                      | 906.40     |    |       |   |   |        |        |         |
| 23    | Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable ( confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)                                                                     | Mtr        |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 19.00 |   |   | 38.00  | 169.95 | 6458.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                 | 165        |    |       |   |   |        |        |         |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                          | 4.95       |    |       |   |   |        |        |         |
|       | Total                                                                                                                                                                                                                                                                                                                                      | 169.95     |    |       |   |   |        |        |         |
| 24    | Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)                                                                                                                                         | Mtr        |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 19.00 |   |   | 38.00  | 56.65  | 2153.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                 | 55         |    |       |   |   |        |        |         |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                          | 1.65       |    |       |   |   |        |        |         |
|       | Total                                                                                                                                                                                                                                                                                                                                      | 56.65      |    |       |   |   |        |        |         |
| 25    | Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)                                                                                                                                                       | Mtr        |    |       |   |   |        |        |         |
|       |                                                                                                                                                                                                                                                                                                                                            |            | 2  | 4.00  |   |   | 8.00   | 294.58 | 2357.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                 | 286        |    |       |   |   |        |        |         |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                          | 8.58       |    |       |   |   |        |        |         |
|       | Total                                                                                                                                                                                                                                                                                                                                      | 294.58     |    |       |   |   |        |        |         |

| Sl No | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unit    | No | L    | B | D | Qty  | Rate     | Amount   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|------|---|---|------|----------|----------|
| 26    | Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia bolts, nuts washers and checknuts etc., the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14) | No's    |    |      |   |   |      |          |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 2  |      |   |   | 2.00 | 1699.50  | 3399.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1650    |    |      |   |   |      |          |          |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.50   |    |      |   |   |      |          |          |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1699.50 |    |      |   |   |      |          |          |
| 27    | Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)                                                                                                                                                                                                                                                                                                                                                    | No's    |    |      |   |   |      |          |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 2  |      |   |   | 2.00 | 271.92   | 544.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 264     |    |      |   |   |      |          |          |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7.92    |    |      |   |   |      |          |          |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 271.92  |    |      |   |   |      |          |          |
| 28    | Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)                                                                                                                                                                                                                                                                                                                                                                                                                                | No's    |    |      |   |   |      |          |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 2  |      |   |   | 2.00 | 1350.00  | 2700.00  |
| 29    | Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc., Complete. 50mm dia (P.NO - 103, I.NO - 13.79.6, PWD SR 13-14)                                                                                                                                                                                                                                                                                                                                                                                   | No's    |    |      |   |   |      |          |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 2  | 3.00 |   |   | 6.00 | 1515.80  | 9095.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1430    |    |      |   |   |      |          |          |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 85.80   |    |      |   |   |      |          |          |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1515.80 |    |      |   |   |      |          |          |
| 30    | Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)                                                                                                                                                                                                                                                                                                  | No's    |    |      |   |   |      |          |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 2  |      |   |   | 2.00 | 311.58   | 623.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 302.5   |    |      |   |   |      |          |          |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.08    |    |      |   |   |      |          |          |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 311.58  |    |      |   |   |      |          |          |
| 31    | KPTCL Deposit charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No's    | 2  |      |   |   | 2.00 | 10500.00 | 21000.00 |
|       | <b>Maintenance of Borewells</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |    |      |   |   |      |          |          |
|       | <b>A) Rewinding</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |    |      |   |   |      |          |          |

| No | Description of item                                                                                                            | Unit        | No   | L     | B | D | Qty  | Rate    | Amount    |
|----|--------------------------------------------------------------------------------------------------------------------------------|-------------|------|-------|---|---|------|---------|-----------|
| 32 | Labour Charges of lifting of non functioning submersible Pump set along with cable and GI Pipes (BWSSB SR 14-15, P-558 I-1(i)) | Each Length | 2X45 | 35.00 |   |   | 3150 | 109.00  | 343350.00 |
| 33 | Transportation of pumping machineries (P. 56 / I. 10.3.19) PRED SR (2012-13)                                                   | Each        | 45   |       |   |   | 45   | 900.00  | 40500.00  |
| 34 | Rewinding of Submersible Pump Sets                                                                                             |             |      |       |   |   |      |         |           |
|    | (BWSSB SR 14-15 P-58 I-A) 10 HP                                                                                                | No.         | 5    |       |   |   | 5    | 4785.00 | 23925.00  |
|    | (BWSSB SR 14-15 P-58 I-A) 7.5 HP                                                                                               | No.         | 10   |       |   |   | 10   | 3822.00 | 38220.00  |
|    | (BWSSB SR 14-15 P-58 I-A) 12.5 HP                                                                                              | No.         | 10   |       |   |   | 10   | 5885.00 | 58850.00  |
|    | (BWSSB SR 14-15 P-58 I-A) 15.0 HP                                                                                              | No.         | 20   |       |   |   | 20   | 5800.00 | 116000.00 |
|    | <b>B) Replacement of Motor Parts:</b>                                                                                          |             |      |       |   |   |      |         |           |
| 35 | Pump Bowls (BWSSB SR 14-15 P-58 I-B)                                                                                           | No.         | 400  |       |   |   | 400  | 308.00  | 123200.00 |
| 36 | Intermediate Piece (I.P) With IP Leaded Bronxe bush (BWSSB SR 14-15 P-58 I-B2)                                                 | No.         | 45   |       |   |   | 45   | 715.00  | 32175.00  |
| 37 | Upper Flange (BWSSB SR 14-15 P-59 I-C3)                                                                                        | No.         | 45   |       |   |   | 45   | 330.00  | 14850.00  |
| 38 | Lower Housing (BWSSB SR 14-15 P-59 I-C4)                                                                                       | No.         | 45   |       |   |   | 45   | 539.00  | 24255.00  |
| 39 | Guide vane (BWSSB SR 14-15 P-58 I-B5)                                                                                          | No.         | 200  |       |   |   | 200  | 192.50  | 38500.00  |
| 40 | Impeller Shell moulded with aluminium Bronze) (BWSSB SR 14-15 P-58 I-B6)                                                       | No.         | 45   |       |   |   | 45   | 264.00  | 11880.00  |
| 41 | Discharge outlet (D.O) Bearing D.O Steel Bush P. (BWSSB SR 14-15 P-58 I-B7)                                                    | No.         | 65   |       |   |   | 65   | 522.50  | 33963.00  |
| 42 | Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) (BWSSB SR 14-15 P-58 I-B10)              | No.         | 35   |       |   |   | 35   | 660.00  | 23100.00  |
| 43 | Pump Couping (Stainless Steel) (BWSSB SR 14-15 P-58 I-B12)                                                                     | No.         | 45   |       |   |   | 45   | 341.00  | 15345.00  |
| 44 | Stud and Nuts (BWSSB SR 14-15 P-59 I-C8)                                                                                       | Each        | 200  |       |   |   | 200  | 88.00   | 17600.00  |
| 45 | Motor Base With Pin (BWSSB SR 14-15 P-59 I-C11)                                                                                | Each        | 25   |       |   |   | 25   | 407.00  | 10175.00  |
| 46 | Starter (with one year Guarantee) P No. 55 / I No. 10.3.3 PRED SR (2012-13)                                                    | No.         | 67   |       |   |   | 67   | 5050.00 | 338350.00 |
| 47 | Rotor (with one year Guarantee) P No. 55 / I No. 10.3.6) PRED SR (2012-13)                                                     | No.         | 30   |       |   |   | 30   | 4700.00 | 141000.00 |
| 48 | Carbon Housing P. No. 56 / I No.10.3.12 PRED SR (2012-13)                                                                      | No.         | 45   |       |   |   | 45   | 475.00  | 21375.00  |
| 49 | Thrust bearing block assembly complete with Segment bearing pad.P. No. 55 / I No.10.3.13 PRED SR (2012-13)                     | No.         | 45   |       |   |   | 45   | 1150.00 | 51750.00  |
| 50 | Oil Seal P. No. 54 / I No.10.2.3 PRED SR (2012-13)                                                                             | No.         | 45   |       |   |   | 45   | 125.00  | 5625.00   |
| 51 | Oil Seal Steel Bush P. No. 54 / I No. 10.2.4 PRED SR (2012-13)                                                                 | No.         | 45   |       |   |   | 45   | 150.00  | 6750.00   |
| 52 | D.O Bearing P. No. 44 / I No. 10.2.7 PRED SR (2012-13)                                                                         | No.         | 65   |       |   |   | 65   | 285.00  | 18525.00  |
| 53 | Steel Bush P. No.55 / I No. 10.2.9 PRED SR (2012-13)                                                                           | No.         | 325  |       |   |   | 325  | 150.00  | 48750.00  |
| 54 | Allen Screw P. No.44 / I No. 10.2.9 RDPR SR (2012-13)                                                                          | No.         | 200  |       |   |   | 200  | 25.00   | 5000.00   |

| Sl No | Description of item                                                                                                                                                                                                                                                                                                                                                              | Unit   | No  | L       | B | D | Qty     | Rate    | Amount    |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|---------|---|---|---------|---------|-----------|
| 55    | Pump Key (Stainless Steel) P. No. 45 / I No. 10.2.11 RDED SR (2012-13)                                                                                                                                                                                                                                                                                                           | No.    | 35  |         |   |   | 35      | 125.00  | 4375.00   |
| 56    | Non - return valve (NRV) assembly complete with rubber 'O' Ring P. No. 55 / I No. 10.2.14 PRED SR (2012-13)                                                                                                                                                                                                                                                                      | No.    | 25  |         |   |   | 25      | 1350.00 | 33750.00  |
| 57    | Cable Guard P. No. 55 / I No. 10.2.15 PRED SR (2012-13)                                                                                                                                                                                                                                                                                                                          | No.    | 45  |         |   |   | 45      | 150.00  | 6750.00   |
| 58    | Strainer P. No. 45 / I No. 10.2.15 RDED SR (2012-13)                                                                                                                                                                                                                                                                                                                             | No.    | 45  |         |   |   | 45      | 150.00  | 6750.00   |
| 59    | Brass Filter P. No. 55 / I No. 10.2.17 PRED SR (2012-13)                                                                                                                                                                                                                                                                                                                         | No.    | 45  |         |   |   | 45      | 250.00  | 11250.00  |
| 60    | Labour Chargesw (Over Hauling Only) P. No. 45 / I No. 10.2.18 PRED SR (2012-13)                                                                                                                                                                                                                                                                                                  | No.    | 45  |         |   |   | 45      | 556.00  | 25020.00  |
| 61    | Re-erection charges of pumping machineries including overhauling and pointing P. No. 56 / I No. 10.3.20 PRED SR (2012-13)                                                                                                                                                                                                                                                        | Each   | 40  |         |   |   | 40      | 950.00  | 38000.00  |
| 62    | Lock Ring P. No. 45 / I No. 10.3.11 PREC SR (2012-13)                                                                                                                                                                                                                                                                                                                            | Each   | 60  |         |   |   | 60      | 85.00   | 5100.00   |
| 63    | a) Carbon Housing P. No. 46 / I No. 10.3.12 APRDED SR (2012-13)                                                                                                                                                                                                                                                                                                                  | Each   | 40  |         |   |   | 40      | 475.00  | 19000.00  |
| 64    | Top Carbon/Ferrodo padding P. No. 46 / I No. 10.3.12 APRDED SR (2012-13)                                                                                                                                                                                                                                                                                                         | Each   | 40  |         |   |   | 40      | 150.00  | 6000.00   |
| 65    | Bearing (Gunmetal) Centrifugal) Cast Aluminium Bronxe, Beaing bush P. No. 46 / I No. 10.3.16 APRDED SR (2012-13)                                                                                                                                                                                                                                                                 | Each   | 40  |         |   |   | 40      | 400.00  | 16000.00  |
| 66    | Circillps P. No. 45 / I No. 10.3.17 PREC SR (2012-13)                                                                                                                                                                                                                                                                                                                            | Each   | 90  |         |   |   | 90      | 50.00   | 4500.00   |
|       |                                                                                                                                                                                                                                                                                                                                                                                  |        |     |         |   |   |         |         |           |
|       | <b>General Itmes</b>                                                                                                                                                                                                                                                                                                                                                             |        |     |         |   |   |         |         |           |
| 67    | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) 4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR | Mtr    |     |         |   |   |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                  |        | 1   | 1775.00 |   |   | 1775.00 | 185.00  | 328375.00 |
| 68    | Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)                                                                                                                                                    | No's   |     |         |   |   |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                  |        | 150 | 1.00    |   |   | 150.00  | 906.40  | 135960.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                       | 880    |     |         |   |   |         |         |           |
|       | 3% area weightage                                                                                                                                                                                                                                                                                                                                                                | 26.40  |     |         |   |   |         |         |           |
|       | Total                                                                                                                                                                                                                                                                                                                                                                            | 906.40 |     |         |   |   |         |         |           |
| 69    | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 32/I No 3b KPWD Electrical SR 2010-11                                                                                                                                                                                     | No.    |     |         |   |   |         |         |           |

| SI No | Description of item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit          | No  | L       | B    | D    | Qty     | Rate    | Amount    |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|---------|------|------|---------|---------|-----------|
|       | 63 Amps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | 120 | 3.00    |      |      | 360.00  |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |     |         |      |      | 360.00  | 150.00  | 54000.00  |
| 70    | Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR 2015-16, P.NO.XXIV, SI.no, 673)                                                                                                                                                                                                                                                                                                                     | No's          |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 30  | 3.00    |      |      | 90.00   | 1600.00 | 144000.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1600          |     |         |      |      |         |         |           |
| 71    | Providing and fixing of 50mm GI bend to motor (PWD SR 2015-16, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                       | No's          |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 30  | 3.00    |      |      | 90.00   | 219.00  | 19710.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 219           |     |         |      |      |         |         |           |
| 72    | Providing and fixing of 50mm GI Nipple to motor (PWD SR 2015-16, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                     | No's          |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 30  | 3.00    |      |      | 90.00   | 104.30  | 9387.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 104.3         |     |         |      |      |         |         |           |
| 73    | Providing and fixing of 50mm GI union to the motor ( PWD SR 2015-16, P.NO.XXXVIII GI FITTINGS TABLE)                                                                                                                                                                                                                                                                                                                                                                                                                 | No's          |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 40  | 3.00    |      |      | 120.00  | 223.70  | 26844.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 223.7         |     |         |      |      |         |         |           |
| 74    | Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.4, PWD SR                                                                             | Cum           |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 1   | 1000.00 | 0.45 | 0.75 | 337.50  |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |     |         |      |      | 337.50  | 283.02  | 95519.00  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 267.00        |     |         |      |      |         |         |           |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16.02         |     |         |      |      |         |         |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>283.02</b> |     |         |      |      |         |         |           |
| 75    | Providing and installing at site of work 75mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 102, I.NO - 13.73.1, PWD SR 15-16) | Mtr           |     |         |      |      |         |         |           |
|       | 75 mm dia 6 KSC PVC pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |     |         |      |      |         |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 1   | 1000.00 |      |      | 1000.00 |         |           |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |     |         |      |      | 1000.00 | 366.76  | 366760.00 |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 346.00        |     |         |      |      |         |         |           |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20.76         |     |         |      |      |         |         |           |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>366.76</b> |     |         |      |      |         |         |           |

| SI No | Description of item                                                                                                                                                                                                                                                                                                  | Unit           | No                 | L   | B   | D     | Qty     | Rate    | Amount     |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|-----|-----|-------|---------|---------|------------|
|       | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 15-16)                        | Cum            |                    |     |     |       |         |         |            |
|       |                                                                                                                                                                                                                                                                                                                      |                | Qty. Vide Item No. |     |     |       | 337.50  | 76.32   | 25758.00   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                           | 72.00          |                    |     |     |       |         |         |            |
|       | 6% area weightage                                                                                                                                                                                                                                                                                                    | 4.32           |                    |     |     |       |         |         |            |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                         | <b>76.32</b>   |                    |     |     |       |         |         |            |
| 77    | KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 97 / I.13.37 PWD SR - 2015-16 | Each           |                    |     |     |       |         |         |            |
|       |                                                                                                                                                                                                                                                                                                                      |                | 14                 | 16  |     |       | 14      | 2120.00 | 33920      |
|       | Basic Rate                                                                                                                                                                                                                                                                                                           | 2000.00        |                    |     |     |       |         |         | 29680.00   |
|       | Area Weightage @ 6%                                                                                                                                                                                                                                                                                                  | 120.00         |                    |     |     |       |         |         |            |
|       | <b>Total</b>                                                                                                                                                                                                                                                                                                         | <b>2120.00</b> |                    |     |     |       |         |         |            |
| 78    | Threading of GI Pipes 50mm Dia P. No. 15 / I No.3.11.6 PRED SR (2012-13)                                                                                                                                                                                                                                             |                | 50X70              |     |     |       | 3500.00 | 25.00   | 87500.00   |
| 79    | Add 8/- KRIDL Charges + 1/- labour charges                                                                                                                                                                                                                                                                           |                |                    | 366 | 838 | 45855 |         |         | 41269.3    |
| 80    | Miscellaneous and Unforeseen Charges                                                                                                                                                                                                                                                                                 | L/S            |                    |     |     |       |         | 1832    | 1156.00    |
|       |                                                                                                                                                                                                                                                                                                                      |                |                    |     |     |       |         |         | 5000000.00 |

Rupees Fifty Lakh(s) Only

**CERTIFICATE :**

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PRED S.R.2013-14 of Rural Engineering Department
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

Assistant Engineer

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Executive Engineer  
Bruhat Bangalore Mahanagara Palike  
Byatarayanapura Division  
Bangalore - 92

Assistant Executive Engineer  
Bruhat Bangalore Mahanagara Palike  
Byatarayanapura Sub Division  
Bangalore-24

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು  
ಬಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ  
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 Lacs

Rupees Fifty Lacs only

Under P-OSKEL Emergency

Reserve Fund

Registered as EE ( )

Subject to conditions contained in

enclosed memo EE ( ) No.

Dt.

Estimate sanctioned

dated 31-8-2016 Rs. 50.00 Lacs

Technical Sanction  
Accorded For 50.00 Lakh Rs.  
Head of A/C. POSA  
CER NO : 31A Dt: 01/09/16

TA CE (YNK)